

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE (Our Case No. 1723-14140US02)

**CERTIFICATE OF MAILING** In the Application of: I hereby certify that this correspondence is Jesse R. Miller, et al. being deposited with the United States Postal Service as first class mail in an Serial No.: 10/731,300 envelope addressed to Mail Stop AF, December 8, 2003 Commissioner for Patents, P.O. Box 1450, Filing Date: Alexandria, VA 22313-1450, on July 5, John M. Corbett 2006. Examiner: Group Art Unit: 2882 By: Michael B. Harlin For: METHOD AND APPARATUS Reg. No. 43,658 FOR X-RAY DIFFRACTION

## RESPONSE TO FINAL OFFICE ACTION

Mail Stop AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

ANALYSIS

Dear Sir:

Applicants submit this Response to the final Office Action dated May 5, 2006 and request reconsideration of the application. This response is being filed within two months of the mailing date of the final Office Action. Applicants request reconsideration based on the following remarks.

Remarks begin on page 2 of this paper.